

\* \* \* \* \*

=> s computer sonography

156885 COMPUTER

37378 COMPUTERS

166941 COMPUTER

(COMPUTER OR COMPUTERS)

114 SONOGRAPHY

1 SONOGRAPHIES

115 SONOGRAPHY

(SONOGRAPHY OR SONOGRAPHIES)

L1 0 COMPUTER SONOGRAPHY

(COMPUTER (W) SONOGRAPHY)

=> s computer sonograp?

156885 COMPUTER

37378 COMPUTERS

166941 COMPUTER

(COMPUTER OR COMPUTERS)

186 SONOGRA?

L2 0 COMPUTER SONOGRA?

(COMPUTER (W) SONOGRA?)

=> s ultraso? scanner#

47362 ULTRASO?

26987 SCANNER#

L3 414 ULTRASO? SCANNER#

(ULTRASO? (W) SCANNER#)

=> s l3 and computer#

23 COMPUTER#

L4 0 L3 AND COMPUTER#

=> s l3 and computer#

166942 COMPUTER#

L5 139 L3 AND COMPUTER#

=> s l5 and (evaluat? or test? or calibrat?)

149630 EVALUAT?

460574 TEST?

78962 CALIBRAT?

L6 85 L5 AND (EVALUAT? OR TEST? OR CALIBRAT?)

=> s l6 and store# image#

396024 STORE#

225145 IMAGE#

3909 STORE# IMAGE#

(STORE# (W) IMAGE#)

L7 8 L6 AND STORE# IMAGE#

=> d 1-8

5/17/96

1. 5,456,256, Oct. 10, 1995, High resolution ultrasonic imaging apparatus and method; John K. Schneider, et al., 128/660.09, 662.03 [IMAGE AVAILABLE]
  2. 5,334,084, Aug. 2, 1994, Method and apparatus for automatically trimming fatty tissue from animal carcasses; William H. O'Brien, et al., 452/157, 134, 171 [IMAGE AVAILABLE]
  3. 5,314,375, May 24, 1994, Method and apparatus for automatically segmenting animal carcasses; William H. O'Brien, et al., 452/157, 149 [IMAGE AVAILABLE]
  4. 5,205,779, Apr. 27, 1993, Method and apparatus for automatically segmenting animal carcasses; William H. O'Brien, et al., 452/157; 395/904, 919, 921; 452/155 [IMAGE AVAILABLE]
  5. 5,162,016, Nov. 10, 1992, Abrasive for a water jet cutting head; James Malloy, 452/149; 83/53; 395/904, 919, 921; 452/155, 157 [IMAGE AVAILABLE]
  6. 5,133,687, Jul. 28, 1992, Water jet/abrasive jet cutting head; James Malloy, 452/149; 83/53, 177; 452/155, 157 [IMAGE AVAILABLE]
  7. 5,098,426, Mar. 24, 1992, Method and apparatus for precision laser surgery; H. Alfred Sklar, et al., 606/5; 128/630; 219/121.6, 121.62, 121.85; 351/209; 364/413.02, 413.13; 606/4, 10, 13 [IMAGE AVAILABLE]
  8. 4,649,927, Mar. 17, 1987, Real time display of an ultrasonic compound image; Rainer Fehr, et al., 128/660.07, 661.01; 348/163 [IMAGE AVAILABLE]
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US PAT NO: 4,331,021 [IMAGE AVAILABLE]

L5: 5 of 5

TITLE: Contrast resolution tissue equivalent ultrasound \*\*test\*\*  
object

ABSTRACT:

A contrast resolution tissue-equivalent ultrasound \*\*test\*\* \*\*phantom\*\* comprises a block of material having ultrasonic propagation characteristics similar to that of human or animal tissue. A plurality of contrast objects are embedded in the block, each having a different reflectivity. The contrast objects have at least one dimension wherein the size of the object in cross-section decreases so that periodic ultrasonic scans of all of the objects simultaneously produce successive displays of plural cross-sectional patterns, the pattern in each display having the same size but different contrasts whereas the pattern size changes for successive displays.

SUMMARY:

BSUM(2)

The present invention relates to a calibration \*\*phantom\*\* or \*\*test\*\* object for simulating animal or human cell tissue which can calibrate, or \*\*test\*\* diagnostic \*\*ultrasound\*\* \*\*scanners\*\*.